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PETTY DOCKET NO. 17509-0000		SERIAL NO. 09/975,672	FILING DATE October 10, 2001			
APPLICANT(S) Sheppard, Jr., et al.		GROUP 3762				
U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,692,027	09/19/72	Ellinwood, Jr.			
	4,360,019	11/23/82	Portner et al.			
	4,507,115	03/26/85	Kambara et al.			
	4,585,652	04/29/86	Miller et al.			
	4,731,049	03/15/88	Parsi			
	4,793,825	12/27/88	Benjamin et al.			
	5,042,975	08/27/91	Chien et al.			
	5,167,625	12/01/92	Jacobsen et al.			
	5,170,801	12/15/92	Casper et al.			
	5,200,051	04/06/93	Cozzette, et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	NAME		TRANSLATION YES NO
	93/03790	03/04/93	WO	Rutgers, The State University of NJ		
	197 16 683	06/04/98	DE	Fraunhofer Ges Forschung		X
	01/28629	04/26/01	WO	Abiomed, Inc.		
	01/37926	05/31/01	WO	Abiomed, Inc.		
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)						
	Barillaro, et al., Optical Materials, 17(1-2):91-94 (2001).					
	Low, et al., "Microactuators Towards Microvalves for Responsive Controlled Drug Delivery," Sensors & Actuators B 67: 149-60 (2000).					
	Madou & Florkey, "From Batch to Continuous Manufacturing of Microbiomedical Devices," Chem. Rev., 100: 2679-92 (2000).					
	Madou, Fundamentals of Microfabrication, pp. 468-512 (CRC Press 1997).					
EXAMINER <i>Philip Gray</i>			DATE CONSIDERED <i>1/19/2006</i>			
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U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,252,294	10/12/93	Kroy et al.			
	5,279,607	01/18/94	Schentag et al.			
	5,318,557	06/07/94	Gross			
	5,324,316	06/28/94	Schulman et al.			
	5,336,213	08/09/94	D'Angelo et al.			
	5,366,454	11/22/94	Currie et al.			
	5,368,704	11/29/94	Madou et al.			
	5,368,588	11/29/94	Bettinger			
	5,429,822	07/04/95	Gresser et al.			
	5,443,508	08/22/95	Giampapa			
	5,474,527	12/12/95	Bettinger			
	5,585,069	12/17/96	Zanzucchi et al.			
	5,713,954	02/03/98	Rosenberg et al.			
	5,797,898	08/25/98	Santini, Jr. et al.			
<i>PS</i>	5,798,042	08/25/98	Chu et al.			

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>PS</i>	Madou & He, "Exploitation of a Novel Artificial Muscle for Controlled Drug Delivery," pp. 495-497 (1999).
	Surbled, et al., "Shape Memory Alloys for Micromembranes Actuation," SPIE 3825: 63-70 (1999).
	Surbled, et al., "Array of Shape Memory Alloy One-Shot Micro-Valves for Drug Delivery," MME '99, Gif sur Yvette, France (Sept. 27-28, 1999).
<i>PS</i>	Tierney, et al., "New Electrorelease Systems Based on Microporous Membranes," J. Electrochem. Soc., 137:3789-3793 (1990).

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EXAMINER INITIAL PS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,807,397	09/15/98	Barreras			
	5,841,122	11/24/98	Kirchhoff			
	5,842,787	12/01/98	Kopf-Sill et al.			
	5,843,767	12/01/98	Beattie			
	5,962,081	10/05/99	Öhman et al.			
	5,976,336	11/02/99	Dubrow et al.			TC 3700 MAIL ROOM
	5,989,445	11/23/99	Wise et al.			MAR 29 2002 RECEIVED
	6,047,214	04/04/00	Mueller et al.			
	6,096,656	08/01/00	Matzke et al.			
	6,123,861	09/26/00	Santini, Jr. et al.			
	6,140,740	10/31/00	Porat, et al.			
	6,171,850	01/09/01	Nagle et al.			
	6,243,608	06/05/01	Pauly et al.			
	09/638,109		Santini, Jr., et al.			08/11/00
PS	09/715,493		Santini, Jr., et al.			11/17/00

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

PS	Tierney, et al., "Electroreleasing Composite Membranes for Delivery of Insulin and Other Biomacromolecules," <i>J. Electrochem. Soc.</i> , 137:2005-06 (1990).
	Liu C., et al. "Applications of microfabrication and micromachining techniques to biotechnology," <i>Trends in Biotechnology</i> , Vol. 15, No. 6, pp 213-16.
	Palmore & Whitesides, "Microbial and Enzymatic Biofuel Cells," <i>Enzymatic Conversion of Biomass for Fuel Production</i> , ACS Symposium Series 566:271-90 (1994).
PS	Kano & Ikeda, "Fundamentals and practices of mediated bioelectrocatalysis," <i>Analytical Sci.</i> , 16(10):1013-21 (2000)

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

PS	Wilkinson, Autonomous Robots, 9(2): 99-111 (2000).
PS	Wolf & Tauber, "Silicon Processing for the VLSI Era," (Lattice Press, 1986).

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FORM PTO-1449, Adapted

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APPLICANT(S) Sheppard, Jr., et al.				GROUP 3762		
U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS <i>PS</i>	DOCUMENT NUMBER 6,001,090	DATE 12/14/1999	NAME Lenhart		CLASS	SUBCLASS
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER 99/42039	DATE 08/26/1999	COUNTRY WO	NAME Vascusense, Inc.	TRANSLATION Yes No	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)						
<i>PS</i>	Reynaerts, et al. "An Implantable drug-delivery system based on shape memory alloy micro-actuation", <u>Sensors and Actuators A</u> , 61(1-3):455-162 (1997).					
EXAMINER <i>Philip Dray</i>			DATE CONSIDERED <i>11/19/06</i>			
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U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE If Appropriate	
<i>RS</i>	6,334,859	01/01/02	Richter				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	NAME		TRANSLATION Yes	No
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